



CALIFORNIA DEPARTMENT OF PUBLIC HEALTH

ASSOCIATE HEALTH PHYSICIST

Schematic Code: HX30 Classification Code: 3803 Exam Code: 8H1CB

Examination Type: Open Continuous

FINAL FILING DATES

Testing is considered continuous as dates can be set at any time. Applications will be reviewed to ensure the minimum requirements for participation in this exam are met. Possession of the entrance requirements does not assure a place on the eligible list. Once you have taken the examination, you may not retest for 12 months from the established list date.

Applications must be submitted by the filing dates indicated below. Applications postmarked, personally delivered, or received via interoffice mail after the final filing date, will be held for the next administration of the exam.

The filing dates are:

January 19, 2022

April 19, 2022

July 11, 2022

October 19, 2022

SALARY

\$7,089 - \$9,129 per month

EQUAL EMPLOYMENT OPPORTUNITY

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding and related medical conditions), and sexual orientation.

WHO CAN APPLY

Persons who meet the minimum qualifications (entrance requirements) as stated on this announcement may take this examination, which is competitive.

MINIMUM QUALIFICATIONS

Either One

One year of experience performing the duties of an Assistant Health Physicist in California state service.

Or Two

Possession of a valid certificate in diagnostic or therapeutic radiologic technology or nuclear medicine technology issued by the California Department of Public Health (formerly California Department of Health Services) or possession of a health physics technology certificate from an accredited two-year program (applicants who are in the process of securing a certificate will be admitted to the examination, but must provide proof of certification before they will be considered for appointment).

AND

Six years of experience in a public health agency or county contract inspection agency or hospital conducting investigations and surveying the use of radiological equipment; providing advice on safe practices in radiation; and compliance with rules and regulations governing radiation use.

Or Three

Three years of professional experience in health physics or a closely related field, at least two years of which must have included responsibility for exercising independent judgment within a framework of general policies.

AND

Graduation from college with a major in radiologic health, radiologic science, health physics, engineering, mathematics, physical science, life science, or a closely related field. (One year of full-time graduate work in radiologic health, radiologic science, health physics, engineering, mathematics, physical science, or life science may be substituted for one year of the required general experience.)

The required degree must have been obtained from a recognized U.S. university or from a foreign university approved by the Bureau of Private Postsecondary and Vocational Education under the provision of California Education Code Chapter 3, Part 59, Division 10.

GENERAL QUALIFICATIONS

In addition to the scope defined on this announcement, candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required.

POSITION DESCRIPTION

TYPICAL TASKS

This is the full journey person and lead person level of the Health Physicist series. Incumbents, under direction, perform the more difficult and complex health physicist work; plan and conduct difficult studies, surveys, inspections, and investigations of radiologic health hazards; evaluate license applications and determine compliance with law and regulations in nonroutine cases; develop and adapt instrumentation for determination and measurement of radiation; review plans and specifications and advise on design and modification of engineered controls, including shield and exhaust ventilation systems; provide consultation and assistance to professional and technical personnel and public and private entities and assist them in determining and obviating radiation hazards; supervise decontamination procedures in case of radiological incidents; conduct training courses; prepare technical reports and correspondence. Positions in this class are not supervisory.

HOW TO APPLY

To apply for this examination, please complete and return the following:

STANDARD STATE APPLICATION (FORM 678)

COPY OF UNOFFICIAL/OFFICIAL COLLEGE TRANSCRIPTS

Due to COVID-19, we have limited staff working in the office. Therefore, the preferred method of application submittal at this time is via email to CDPHEExamUnit@cdph.ca.gov. Mailed and dropped off applications will still be accepted but may have delays in processing.

Applications and any additional documents must be submitted via the U.S. Postal Service or hand delivered to the Department of Public Health Human Resources Office (hours are 8:00 AM to 5:00 PM). Submit ([California State Application STD 678](#)) and any additional documents to:

Via Email:

CDPHEExamUnit@cdph.ca.gov

Submit via mail to:

DEPARTMENT OF PUBLIC HEALTH
Attn: Examination Services Unit
P.O. Box 997378 MS 1700 – 1702
Sacramento, CA 95899-7378

Drop Off:

DEPARTMENT OF PUBLIC HEALTH
Attn: Examination Services Unit
1615 Capitol Avenue
Sacramento, CA 95814

DO NOT SUBMIT APPLICATIONS

TO THE CALIFORNIA DEPARTMENT OF HUMAN RESOURCES (CalHR)
THROUGH EMAIL, FAX, OR INTER-AGENCY MAIL

CONTACT INFORMATION

All questions regarding the minimum qualifications, applying for the examination, being scheduled for the examination, reasonable accommodations, the examination components, scoring, etc., may be directed to the contact information below:

EMAIL: CDPHEExamUnit@cdph.ca.gov

EXAMINATION INFORMATION

This examination utilizes an evaluation of education and experience (E&E) weighted 100%, and is based solely upon information provided with the application. Information provided with the application will be assessed compared to a standard developed in relation to the elements of the job and linked to the knowledge and abilities required on the job.

Special care should be taken to submitting a complete description of your education and experience relevant to the typical tasks, scope, and minimum qualifications stated on this announcement. Supplemental information will be accepted but competitors should read the announcement carefully to determine what kind of information will be useful to those individuals completing the evaluation.

The California Department of Public Health reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service law and rules and all competitors will be notified.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION

It is your responsibility to make sure you meet the education and/or experience requirements stated on this announcement on the date you submit your application. Your signature on your application indicates that you have read, understood, and possess the basic qualifications required.

NOTE: Applications **must** include “to” and “from” dates (month/day/year), time base, job titles and/or civil service class title(s), and range (if applicable) for all work experience. College course Information **must** include title, number of semester or quarter units, name of institution, completion dates, and degree. Applications received without this information will be rejected. Applicants **must** submit a copy of unofficial/official transcripts along with the application when using education to meet the entrance requirements for this examination.

SCOPE OF EXAMINATION: Ratings will be determined based on the depth and breadth of professional education and experience beyond what is minimally required. Emphasis will be placed on measuring:

Knowledge of:

1. Basic applied science and research techniques to effectively carry out daily duties.
2. Theory and practice of health physics and radiation protection to carry out daily duties.
3. Theory and applied science design of shielding for protection against radiation.
4. Radiation dosimetry and the theory and design of instruments and methods used to detect, identify and measure radiation.
5. Biological effects of ionizing radiation to determine the harmful effects as a result of exposure.
6. Radiological ecology to properly assess the effects of radioactive materials on public health.

7. Principles and theories of physical science and engineering.
8. California Health and Safety Codes, California Code of Regulations, Federal Regulations, and ANSI standards pertaining to X-ray machines and radioactive material and the users of these.
9. Theory and applied science design of shielding for protection against radiation.
10. Radiation dosimetry and the theory and design of instruments and methods used to measure radiation.
11. Use, transport, and care for equipment necessary to support radiological operations.
12. Various parameters entering into evaluation of radiological hazards involved in medical, dental, industrial, and laboratory work, and the use of radiation machines and radioactive materials.
13. Atomic and nuclear physics, nuclear engineering, and nuclear chemistry and the use of radioisotopes.
14. California radiation control laws and regulations, radiation standards set by the Nuclear Regulatory Commission, the Environmental Protection Agency, and the National Council on Radiation Protection and Measurement.

Skills to:

1. Analyze radiation program elements when carrying out daily duties.
2. Identify project resources and deadlines in order to prioritize work assignments, establish timelines for completion, and to assure that project goals are met.
3. Make minor modifications or adaptations to established methods, procedures, and/or techniques to solve problems in the work environment.
4. Work cooperatively and effectively with staff and management to maintain a healthy and productive working environment.
5. Maintain detailed workbooks/documentation and ensure all documentation fulfills generally accepted professional/industry standards.
6. Maintain a neat and orderly workspace to maintain health and safety standards.
7. Use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
8. Prepare and maintain individual records of daily activities and complete detailed and thorough work tasks to achieve departmental goals.
9. Communicate effectively in verbal and written form.

Ability to:

1. Analyze situations accurately, derive recommendations, and take effective action.
2. Establish and maintain cooperative relations with those contacted in the course of the work.
3. Effectively and accurately communicate both orally and in writing, with staff, the public, and local agencies to provide information and direction.
4. Prepare clear and concise reports regarding radiological investigations.
5. Conduct routine investigations of radiological health hazards to ensure public safety.
6. Assess the adequacy of administrative and engineering plans and specifications to insure protection from radiation hazards.
7. Prepare technical reports and correspondence regarding investigations.
8. Develop new or modify existing methods and procedures to stay in compliance with changing rules and regulations.
9. Properly practice safety procedures to minimize the risk of any hazardous accidents.
10. Independently plan, conduct, and correlate difficult and complex investigations of radiological health exposure.
11. Develop scientific methods to obviate or minimize radiation hazards.

ELIGIBLE LIST INFORMATION

In order to obtain a position on the eligible list, a minimum rating of 70% must be attained. Names of successful competitors are merged into a departmental open list established for use by the California Department of Public Health in order of final scores regardless of testing date. Eligibility expires **24** months after it is established unless the needs of the service and conditions of the list warrant a change in this period. All candidates meeting the minimum qualifications will be placed on the eligible list.

VETERAN'S PREFERENCE

Will be awarded in this examination, pursuant to Government Code Section 18973.1, effective January 1, 2014, as follows: 1) Any veteran, widow or widower of a veteran, or spouse of a 100 percent disabled veteran, who achieves a passing score in an entrance examination, shall be ranked in the top rank of the resulting eligibility list. Any veteran who has been dishonorably discharged or released is not eligible for veterans' preference; 2) An entrance examination is defined, under the law, as any open competitive examination; 3) Veterans' Preference is not granted once a person achieves permanent civil service status.

HOW TO APPLY FOR VETERANS' PREFERENCE

The [California State Jobs' website](http://www.jobs.ca.gov) (www.jobs.ca.gov) has information on how to apply for Veterans' Preference on their website and on the [Application for Veterans' Preference form \(CalHR 1093\)](https://jobs.ca.gov/PDF/SPB1093.pdf) (<https://jobs.ca.gov/PDF/SPB1093.pdf>). Additional information is also available at the [Department of Veterans Affairs website](http://www.cdva.ca.gov) (<http://www.cdva.ca.gov>).

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD device.

The California Relay (Telephone) Service for the deaf or hearing impaired:

MCI from TDD: 1-800-735-2929 MCI from voice telephone: 1-800-735-2922

Sprint from TDD: 1-888-877-5378 Sprint from voice telephone: 1-888-877-5379

CONDITIONS OF EMPLOYMENT (631)

Examination Title: Associate Health Physicist

Name: _____ (Print: first, middle initial, last)

Final Filing Dates:

January 19, 2022

April 19, 2022

July 11, 2022

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If you are successful in your examination your name will be placed on the active employment list and certified to fill vacancies according to the conditions you specify on this form. If you are unwilling to accept work or do not reply promptly to communications your name will be placed on the inactive list.

Locations in which you are willing to work:

Please indicate your choices - you will not be offered a job in locations not checked.

Contra Costa County (0700) _____

Orange County (3000) _____

Sacramento County (3400) _____

TYPE OF EMPLOYMENT DESIRED:

ON A PERMANENT BASIS, I AM WILLING TO WORK:

- ☐ Full Time
- ☐ Part Time (regular hours less than 40)
- ☐ Intermittent (on call)
- ☐ Limited Term

ON A TEMPORARY BASIS, I AM WILLING TO WORK:

- ☐ Full Time
- ☐ Part Time (regular hours less than 40)
- ☐ Intermittent (on call)
- ☐ Limited Term

It is your responsibility to notify the Department of Public Health, Examination Services Unit, of any changes in your address or availability for employment. All correspondence must include your name, examination title, and identification number.

Signature: _____ Date: _____